## WHAT IS CLAIMED IS:

1. A remote power management method for use in a multi-node data processing system, comprising:

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configuring the system to include at least one multi-node partition;

determining an identifier associated with each network interface card (NIC) in the partition; and

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based at least in part on the determined NIC identifiers, modifying wake-on LAN (WOL) filters of each NIC in the partition to include at least one WOL filter common to all of the NIC's in the partition, wherein a WOL packet corresponding to the at least one common WOL filter produces a reset on the corresponding node such that each partition node is reset in response to the WOL packet.

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- 2. The method of claim 1, wherein determining the unique identifier comprises determining the media access control (MAC) address of each NIC in the partition.
- 3. The method of claim 2, wherein modifying the WOL filters comprises including in each NIC a WOL filter corresponding to each of the determined MAC addresses such that a WOL packet addressed to any NIC in the partition is accepted by each NIC in the partition.
- 4. The method of claim 1, wherein determining an identifier includes creating a universal MAC
  address common to all NIC's in the partition.
  - 5. The method of claim 4, wherein modifying the WOL filters comprises including a WOL filter corresponding to the universal MAC address on each NIC of the partition.

- 6. The method of claim 1, wherein configuring the set of nodes is further characterized as configuring a plurality of symmetric multiprocessing devices, each having a set of processors and a system memory shared among the processors, as a partition.
- 7. The method of claim 1, wherein configuring the nodes is further characterized as configuring the nodes to include a boot node and a set of subordinate nodes, wherein the boot node, when reset, is configured to boot all of the nodes into the partition configuration.
  - 8. A data processing system, comprising:

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a plurality of nodes, each node comprising a symmetric multiprocessor system;

means for configuring the plurality of nodes as at least one logical partition wherein each node is associated with one of the partitions; and

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- a plurality of network interface cards (NIC's) with at least one NIC corresponding to each of the plurality of nodes, wherein each NIC includes at least one wake-on-LAN filter that is common to all of the NIC's in the partition wherein a WOL packet corresponding to the common WOL filter is accepted by each NIC in the partition there resetting each node in the partition.
- 9. The system of claim 8, wherein each NIC in the partition comprises a plurality of WOL filters including a WOL filter corresponding to each NIC in the partition.
- 25 10. The system of claim 9, wherein the plurality of WOL filters include a WOL filter corresponding to the media access control (MAC) address of each device in the set.
  - 11. The system of claim 8, wherein the common WOL filter corresponds to a universal MAC address shared by each of the NIC's in the partition, wherein the universal MAC address is distinct from the MAC address of each of the NIC's.

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- 12. The system of claim 8, wherein the WOL filter responds to a WOL packet comprising a recognized media access control (MAC) address repeated 16 times.
- 13. The system of claim 8, wherein each node is further characterized as having its own chassis,5 firmware, power supplies, and cooling fans.
  - 14. The system of claim 13, the means for configuring the nodes as logical partitions including:
    - a bi-directional scalability link connecting each of the nodes in the system; and
      - means for sharing resources of each node in the partition under a single operating system image.
- 15. The system of claim 8, wherein the nodes within each partition are further characterized as including a boot node and a set of subordinate nodes, wherein the boot node, when reset, is configured to boot all of the nodes into the partition configuration.
- 16. A computer program product comprising computer executable instructions, for remote power management in a multi-node data processing system, stored on a computer readable medium, comprising:
  - computer code means for configuring the system to include at least one multi-node partition;
- computer code means for determining an identifier associated with each network interface card (NIC) in the partition; and
  - computer code means for modifying, based at least in part on the determined NIC identifiers, wake-on LAN (WOL) filters of each NIC in the partition to include at least one WOL filter common to all of the NIC's in the partition, wherein a WOL packet

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corresponding to the at least one common WOL filter produces a reset on the corresponding node such that each partition node is reset in response to the WOL packet.

- 17. The computer program product of claim 16, wherein determining the unique identifier comprises determining the media access control (MAC) address of each NIC in the partition.
  - 18. The computer program product of claim 17, wherein the code means for modifying the WOL filters comprises code means for including in each NIC a WOL filter corresponding to each of the determined MAC addresses such that a WOL packet addressed to any NIC in the partition is accepted by each NIC in the partition.
  - 19. The computer program product of claim 16, wherein the code means for determining an identifier includes code means for creating a universal MAC address common to all NIC's in the partition.
- 20. The computer program product of claim 19, wherein the code means for modifying the WOL filters comprises code means for including a WOL filter corresponding to the universal MAC address on each NIC of the partition.
- 20 21. The computer program product of claim 16, wherein the code means for modifying the WOL filters comprises code means for including a WOL filter corresponding to the universal MAC address on each NIC of the partition, wherein the universal MAC address is distinct from the MAC address of each of the NIC's.
- 22. The computer program product of claim 16, wherein the code means for configuring the nodes is further characterized as code means for configuring the nodes to include a boot node and a set of subordinate nodes, wherein the boot node, when reset, is configured to boot all of the nodes into the partition configuration.